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EXAMINER

HARPER, V PAUL

ART UNIT	PAPER NUMBER
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2654

DATE MAILED: 02/13/2004

9

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/029,539

Applicant(s)

SHAFFER ET AL.

Examiner

V. Paul Harper

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 December 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 11-22 is/are rejected.
- 7) ☒ Claim(s) 8-10 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>7</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Information Disclosure Statement*

1. The Examiner has considered the references listed in the Information Disclosure Statement dated 10/29/03. A copy of the Information Disclosure Statement is attached to this office action.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 6, 7, 12, 14, 16, and 18-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith et al. (US Patent 5,054,082), hereinafter referred to as Smith, in view of Kanevsky et al. (US Patent 5,897,616), hereinafter referred to as Kanevsky, and Ozsu et al. (Principles of Distributed Database Systems, Prentice-Hall, 1991), hereinafter referred to as Ozsu.

Regarding claim 1, Smith teaches a method for programming devices to recognize voice commands. Smith's teachings include the following steps: entering an identification code that is transmitted to a central repository (col. 3, Ins. 15-18), which corresponds to "capturing an identifier related to a speaker provided over a

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communication network"; Identifying and requesting a particular codebook from the codebook library (col. 3, Ins. 11-13), which corresponds to "selecting a subset of records from a plurality of records based on the linkage key"; operating the subscriber unit by voice command (col. 3, Ins. 50-53), which corresponds to "capturing a vocal expression of the speaker"; transmitting a codebook to the subscriber (col. 3, Ins. 15-40), which corresponds to "obtaining a grammar based upon the subset of records"; performing speech recognition based on the stored codebook (col. 3, Ins. 50-53), which corresponds to "determining information related to the vocal expression based on comparing the grammar with the captured vocal expression." But Smith does not specifically teach, "determining a linkage key using the identifier." However, the examiner contends that this concept was well known in the art, as taught by Kanevsky and Ozsu. First consider Kanevsky.

In the same field of endeavor, Kanevsky teaches methods for speaker verification, identification, and classification employing non-acoustic and/or acoustic models where through the process of identification access is allowed into database systems (col. 1, Ins. 26-30).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith by specifically allowing a user access to a database system, as taught by Kanevsky, for the purpose of accessing desired services. But Smith in view of Kanevsky do not specifically teaches the use of a linkage key. However, the examiner contends that this concept was well known in the art, as taught by Ozsu.

In the same field of endeavor, Ozsu teaches distributed database systems where transparent name resolution across a distributed database is possible (p. 385, §13.2.1) which corresponds to the concept of a "linkage key."

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky by specifically using a common name (a "linkage key"), as taught by Ozsu, for the purpose of simplifying access to distributed data.

Regarding claim 6, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1). In addition, Smith teaches that a subscriber unit 14 receives a codebook from a central repository 12 (Fig. 1) where a speaker independent portion may reside at the subscriber unit (col. 3, Ins. 5-40), but Smith does not specifically teach "the capturing step is performed by a first server and the determining step is performed by a second server different from the first server." However, the examiner contends that this concept was well known in the art, as taught by Kanevsky.

In the same field of endeavor, Kanevsky discloses methods for speaker verification, identification, and classification employing non-acoustic and/or acoustic models and databases. In addition, Kanevsky teaches that a user's utterance is sent to a central server with transfers it to an automatic speech recognizer (Figs. 2 and 3, col. 6, Ins. 4-24).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky and Ozsu by

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specifically distributing the capture and recognition, as taught by Kanevsky, to simplify the support of the various system components.

Regarding claim 7, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1). In addition, Smith teaches that an identifier is entered to access a codebook from the codebook library (col. 3, 10-12), but Smith does not specifically teach, "determining a linkage key based on the captured identifier." However, the examiner contends that this concept was well known in the art, as taught by Kanevsky and Ozsu. First consider Kanevsky.

Kanevsky teaches methods for speaker verification, identification, and classification employing non-acoustic and/or acoustic models where through the process of identification access is allowed into database systems (col. 1, lns. 26-30).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith by specifically allowing a user access to a database system, as taught by Kanevsky, for the purpose of accessing desired services. But Smith in view of Kanevsky do not specifically teach the use of a linkage key. However, the examiner contends that this concept was well known in the art, as taught by Ozsu.

In the same field of endeavor, Ozsu teaches distributed database systems where transparent name resolution across a distributed database is possible (p. 385, §13.2.1) which corresponds to the concept of a "linkage key."

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky by specifically

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using a common name (a "linkage key"), as taught by Ozsu, for the purpose of simplifying access to distributed data.

Regarding claim 12, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1), but Smith does not specifically teach, "the identifier comprises address information". However, the examiner contends that this concept was well known in the art, as taught by Kanevsky.

In the same field of endeavor, Kanevsky discloses methods for speaker verification, identification, and classification employing non-acoustic and/or acoustic models and databases. In addition, Kanevsky teaches that indicia (including address information) are used to access speaker specific information (col. 3, Ins. 20-25, Ins. 50-60).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky and Ozsu by specifically using address information, as taught by Kanevsky, to more logically access geographical information.

Regarding claim 14, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1), but Smith does not specifically teach, "the identifier comprises location information". However, the examiner contends that this concept was well known in the art, as taught by Kanevsky.

In the same field of endeavor, Kanevsky discloses methods for speaker verification, identification, and classification employing non-acoustic and/or acoustic models and databases. In addition, Kanevsky teaches that indicia (including address information) are used to access speaker specific information (col. 3, Ins. 20-25, Ins. 50-60).

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Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky and Ozsu by specifically using address information, as taught by Kanevsky, to more logically access geographical information.

Regarding claim 16, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1), but Smith does not specifically teach, "the vocal expression is a name". However, the examiner contends that this concept was well known in the art, as taught by Kanevsky.

In the same field of endeavor, Kanevsky discloses methods for speaker verification, identification, and classification employing non-acoustic and/or acoustic models and databases. In addition, Kanevsky teaches that indicia (including a name) are used to access speaker specific information (col. 3, Ins. 20-25, Ins. 50-60).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky and Ozsu by specifically using the speaker's name to identify desired information, as taught by Kanevsky, to more logically access the speaker's information.

Regarding claim 18, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1), but Smith does not specifically teach, "the vocal expression is a number". However, the examiner contends that this concept was well known in the art, as taught by Kanevsky.

In the same field of endeavor, Kanevsky discloses methods for speaker verification, identification, and classification employing non-acoustic and/or acoustic



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models and databases. In addition, Kanevsky teaches that indicia (including a customer number) are used to access speaker specific information (col. 3, Ins. 20-25, Ins. 50-60).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky and Ozsu by specifically using a number to identify desired information, as taught by Kanevsky, to more logically access the speaker's information.

Regarding claim 19, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 18), but Smith does not specifically teach, "the number is one of a telephone number, zip code, social security number, or database index". However, the examiner contends that this concept was well known in the art, as taught by Kanevsky.

Kanevsky further teaches that indicia (including social security number) are used to access speaker specific information (col. 3, Ins. 20-25, Ins. 50-60).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky and Ozsu by specifically using a social security number to identify desired information, as taught by Kanevsky, to uniquely identify a speaker during data access.

Regarding claim 20, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1). In addition, Smith teaches that by using speech recognition technology, a message (vocal expression) requesting the user's specific codebook is generated and transmitted to the central repository (database) (col.

2, Ins. 16-27, col. 3, Ins. 4-40) where the request is inherently mapped to an identifier to access specific information (linkage key as previously taught by Ozsu), which corresponds to "selecting a subset of records comprises indexing, based on the linkage key to a record".

Regarding claim 21, this claim has limitations similar to those in claim 1 and those limitations are rejected for the same reasons. But Smith does not specifically teach, "obtaining a grammar based on the second subset of records; determining from the selected record that a second subset of records is required to identify a specific item from the multiple items represented by the selected record." However, the examiner contends that this concept was well-known in the art, as taught by Kanevsky.

Kanevsky discloses methods for eliminating speaker candidates based on the response and activating databases corresponding to the remaining speaker candidates (col. 3, Ins. 26-29 or col. 4, Ins. 1-15),

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith, as taught by Kanevsky, to improve the accuracy of the recognition process.

Furthermore, Smith does not specifically teach, "prompting a speaker to provide information to identify the specific item from the second subset of records." However, the examiner contends that this concept was well-known in the art, as taught by Kanevsky.

Kanevsky discloses methods for querying a speaker based on the information contained in the accessed database (col. 3, Ins. 28-32 or col. 4, Ins. 9-20).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith, as taught by Kanevsky, to customize the interaction improving the efficiency of the interaction.

Regarding claim 22, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 21). But Smith does not specifically teach "first subset of records comprises street address information and the second subset of records comprises secondary address information related to a particular street address." However, the examiner contends that these concepts were well-known in the art, as taught by Kanevsky.

Kanevsky discloses that the first spoken utterance may contain indicia of the speaker (col. 3, Ins. 22-25) possible including an address (col. 3, Ins. 51-60) and that the speaker will then be queried with an additional question based on the accessed database attributable to the speaker or speaker candidates (i.e., questions related to speaker indicia, name, customer number, where if the first response was an address these data would be address related) (col. 3, Ins. 25-29 or col. 4, Ins. 5-25).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith, as taught by Kanevsky, to expand the range of data access.

3. Claims 2-5, 11, 13, 15, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith in view of Kanevsky, Ozsu and well known prior art.

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Regarding claim 2, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1). In addition, Smith teaches several methods for generating a codebook request including the initial use of a speaker independent recognizer (col. 3, Ins. 14-40), but Smith does not specifically teach, "capturing an identifier related to a speaker comprises automatically capturing information provided without input from the speaker." However, the examiner takes official notice of the fact that the automatic sending of speaker information over a communication channel for the purpose of identifying a speaker was well known in the art (e.g. caller ID).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith such that identifying information is sent when the communications channel is first opened, to customize the communications for the particular speaker.

Regarding claim 3, Smith in view of Kanevsky, Ozsu and well known prior art teaches everything claimed, as applied above (see claim 2), but Smith in view of well known prior art do not specifically teach "the identifier related to a speaker comprises spatial information." However, the examiner contends that this concept was well known in the art, as taught by Kanevsky.

In the same field of endeavor, Kanevsky discloses methods for speaker verification, identification, and classification employing non-acoustic and/or acoustic models. In addition, Kanevsky teaches that the indicia may include an identifying address (col. 3, Ins. 51-53).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky, Ozsu and well known prior art by specifically providing address information to identify a speaker, as taught by Kanevsky, since an address is a common means of identification.

Regarding claim 4, Smith in view Kanevsky, Ozsu, and well known prior are teaches everything claimed, as applied above (see claim 3), but Smith in view of well known prior art and Kanevsky do not specifically teach "selecting a subset of records based on the captured identifier comprises selecting a subset of records spatially related to the captured identifier". However, the examiner takes official notice of the fact that the use of a personal identifier related to spatial information for the purpose of retrieving spatial information was well known in the art.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky, Ozsu and well known prior art such that a subset of records is retrieved according to a spatial identifier, since this is a very efficient way to retrieve geographic data.

Regarding claim 5, Smith in view of Kanevsky, Ozsu, and well known prior art teaches everything claimed, as applied above (see claim 4). In addition, Smith teaches that the system may employ a limited version of speaker independent voice recognition technology to generate a codebook download request (col. 3, lns. 30-34), but neither Smith nor Smith in view of well known prior art and Kanevsky specifically teach "determining the meaning of the vocal expression comprises verifying an identification

of the speaker." However, the examiner contends that this concept was well known in the art, as taught by Kanevsky.

Kanevsky further teaches that a first spoken utterance can contain indicia of the speaker (col. 3, Ins. 22-25).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky, Ozsu, and well known prior art and Kanevsky by specifically providing a vocal means of verifying identification, as taught by Kanevsky, to support hands-free operation.

Regarding claim 11, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 1). In addition, Smith teaches that the information sent to the server includes speaker indicia, such as name, address, customer number, etc., but Smith does not specifically teach "the identifier comprises a telephone number." However, the examiner takes official notice of the fact that the sending of a telephone number (caller ID) over a communication channel for the purpose of identifying a speaker was well known in the art.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith such that identifying information was sent when the communications channel as an identifier, since this is easily obtainable information.

Regarding claim 13, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 12). And, as mentioned in the rejection of claim 12, Smith in view of Kanevsky and Ozsu teaches the use of an address to identify a

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speaker (col. 3, Ins. 51-55), but Smith in view of Kanevsky do not specifically teach "the address information includes one or more of a street address, mailing address, zip code, electronic mail address, Internet address, and Web address." However, the examiner takes official notice of the fact that it was well known in the art at the time of the invention that the term "address" (as used in Kanevsky, col. 3, Ins. 51-53) can be interpreted to mean at least one of the above mentioned forms.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky and Ozsu such that address information was interpreted to mean one of the above-mentioned forms, since these are common interpretations.

Regarding claim 15, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 14). And, as mentioned in the rejection of claim 14, Smith in view of Kanevsky teaches the use of an address to identify a speaker (col. 3, Ins. 51-55), but Smith in view of Kanevsky do not specifically teach "the location information is one of a V&H coordinate pair, latitude/longitude information, street address, and spatial key." However, the examiner takes official notice of the fact that it was well known in the art at the time of the invention that the term "address" (as used in Kanevsky, col. 3, Ins. 51-53) was interpreted to mean at least one of the above mentioned forms.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky and Ozsu such

that address information was interpreted to mean one of the above-mentioned forms, since these are common interpretations.

Regarding claim 17, Smith in view of Kanevsky and Ozsu teaches everything claimed, as applied above (see claim 16). And, as mentioned in the rejection of claim 14, Smith in view of Kanevsky teaches the use of a name to identify a speaker (col. 3, Ins. 51-55), but Smith in view of Kanevsky do not specifically teach "the name includes one or more of a first name, last name, street name, city name, state name, country name." However, the examiner takes official notice of the fact that it was well known in the art at the time of the invention that the term "name" (as used in Kanevsky, col. 3, Ins. 51-53) was interpreted to mean at least one of the above mentioned forms.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Smith in view of Kanevsky such that name information was interpreted to mean one of the above-mentioned forms, since these are common and useful interpretations.

#### ***Allowable Subject Matter***

4. Claims 8-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. It is noted that the closest prior art of record, Smith et al. (US Patent 5,054,082) in view of Ozsu et al. (Principles of Distributed Database Systems, Prentice-Hall, 1991), teaches the use of a linkage key, but Smith in



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view of Ozsu does not teach the use of a second linkage key based on the meaning of a vocal expression.

### ***Response to Arguments***

5. Applicant's arguments filed 12/23/03 have been fully considered but they are not persuasive.

6. Applicant asserts on page 6:

The Smith reference does not anticipate claims 1 and 20. For example, the Smith reference does not describe or suggest the claimed step of determining a linkage key using the identifier in a method as said forth in claim 1. Smith describes that the user or the communication device in some manner generates a request which identifies a specific code book. The system then transmits that code book to the communication device. However, in the method of claim I an identifier related to the speaker is first captured. A linkage key is then determined from that identifier. A subset of records is then selected based upon the linkage key. One advantage provided by the determining of the linkage key is that it allows the method to be used in many different scenarios. On the other hand, the system of Smith has a one to one correspondence between a caller and a code book. In the method of claim I the linkage key provides access and allows for the selection of subsets of records from, potentially, numerous databases. Therefore, there is not a one to one correspondence between the identifier related to the speaker and the subset of records upon which the grammar is based.

In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir.

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1986). In this case, Smith teaches the use of a user specific codebook (grammar) accessed with an identifier (col. 3, Ins. 15-18), and Ozsu teaches the use of transparent name resolution (corresponding to a linkage key, in particular see external name on p. 385) so that an identifier can be used to access data from a variety of external sources.

7. Applicant asserts on page 7:

For example, Kanevsky does not describe receiving a linkage key input parameter value which is then used to determine the linkage key. Kanevsky further does not appear to teach or suggest selecting a record from a first subset of records based upon the linkage key. One advantage of the claimed method including receiving a linkage key input parameter value which is then used to determine the linkage key is that the method does not require that the speaker be previously registered with the system. That is unlike the system of Kanevsky which appears to require that speaker be registered with the system prior to employing invoice recognitions. See, e.g., Kanevsky, column 13, lines 9-13.

In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). In this case, Smith teaches the use of an identifier (col. 3, Ins. 15-18), and Ozsu teaches the use of transparent name resolution (corresponding to a linkage key, in particular see external name on p. 385) so that an identifier can be used to access data from a variety of external sources of data, and Kanevsky teaches access into database systems (col. 1, Ins. 26-30).

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8. Applicant asserts on page 7:

Each of the remaining claims is rejected under section 103 in view of various additional references and in view of "well know prior art." Applicant respectfully traverses each of those grounds of rejection. However, in view of the discussion of each of the independent claims above, applicant respectfully submits that each of the claims which depend therefrom are patentable over the references of record for at least the reasons discussed above.

Applicant's failure to adequately traverse the Examiner's taking of Official Notice in the last office action is taken as an admission of the fact(s) noticed. To adequately traverse the Examiner's assertion of Official notice, an applicant must specifically point out the supposed errors in the Examiner's action, which would include stating why the noticed fact(s) is not considered to be common knowledge or well know in the art. See 37 CFR 1.111(b).

***Citation of Pertinent Art***

9. The following prior art made of record but not relied upon is considered pertinent to the applicant's disclosure:

- Guy et al. ("Name Transparency in Very Large Scale Distributed File System," IEEE Workshop on Experimental Distributed Systems, October 1990, pp. 20-25) describes a use of "name transparency" across large distributed systems.

***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any response to this office action should be mailed to:

Commissioner of Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

or faxed to:

(703) 872-9314

Hand-delivered responses should be brought to:

Crystal Park II  
2121 Crystal Drive  
Arlington, VA.  
Sixth Floor (Receptionist)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. V. Paul Harper whose telephone number is (703) 305-4197. The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 4:30 p.m.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil, can be reached on (703) 305-9645. The fax phone number for the Technology Center 2600 is (703) 872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service office whose telephone number is (703) 306-0377.



VPH/vph  
February 9, 2004



**RICHEMOND DORVIL**  
**SUPERVISORY PATENT EXAMINER**